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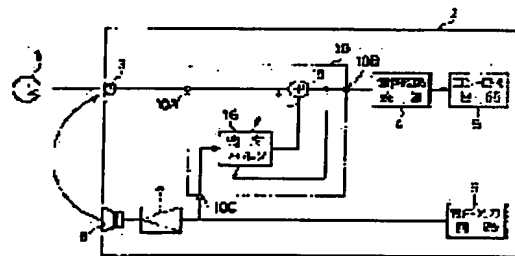
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## (54) SPEECH RECOGNITION REMOTE CONTROLLER

### (57)Abstract:

**PURPOSE:** To enhance the precision of recognition of the speech recognition section of a speech recognition remote controller by taking out an output approximate to noise component from an adaptable noise reducer and by applying subtraction to the output.

**CONSTITUTION:** Main input from a microphone 3 is sent to adder 15 via input terminal 10A of adaptable noise reducer 10. On the other hand, as a signal corresponding to the speech from speaker 8 which becomes a noise component, a speech signal from speech output circuit 6 is sent as a reference signal to adaptable filter 16 via input terminal 10C of adaptable noise reducer 10. This output is sent as a subtract signal to adder 15. With this, the noise component of main input is reduced, and is output to speech recognition unit 4 via output terminal 10B of adaptable noise reducer 10. Since speech recognition unit 4 executes speech recognition processing and command interpretation for the input for which noise is reduced, speech recognition processing can be executed highly precisely.



## LEGAL STATUS

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